

Listing of Claims:

Claim 1 (canceled)

Claim 2 (original) In an apparatus in which a feedstock containing an organic halide either alone or in a mixture with an organic compound is gasified or atomized and subjected to the reaction with calcium oxide, barium oxide or a mixture thereof that are heated at 400 - 700°C, whereby the halogen in the organic halide is converted to a calcium halide and/or a barium halide, the improvement comprising:

- a) a means for gasifying or atomizing the feedstock containing the organic halide either alone or in admixture with the organic compound;
- b) a heating means for heating the particles of calcium oxide and/or barium oxide at a controlled temperature of 400 - 700°C;
- c) a means for supplying the particles of calcium oxide and/or barium oxide continuously; and
- d) a reaction column equipped with a supply section for the feedstock as supplied from said gasifying or atomizing means and which contains the organic halide either alone or in admixture with the organic compound, a reactive section which is heated by said heating means and in which a moving bed of said oxide particles is continuously brought into countercurrent reaction with said feedstock so that the halogen in the organic halide is converted to a calcium halide and/or a barium halide, and an agitating/moving means by which said resulting calcium halide and/or barium halide is continuously discharged to the outside of the reaction system.